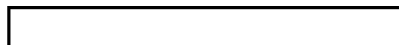


5X1



COMMUNICATIONS PLANNING ISSUE

October, 1980



Revw On 09 October 2000  
Derived from multiple

Warning Notice -  
Intelligence Sources  
and Methods Involved

25X1

25X1



|      |   |    |
|------|---|----|
| I.   | EXECUTIVE SUMMARY . . . . .                 | 1  |
| II.  | BACKGROUND . . . . .                        | 3  |
| III. | CURRENT SITUATION . . . . .                 | 5  |
| A.   | Message Service . . . . .                   | 5  |
| B.   | Datacommunications Service . . . . .        | 6  |
| C.   | Secure Voice . . . . .                      | 6  |
| D.   | Collection Systems Communications . . . . . | 7  |
| E.   | Covert Communications . . . . .             | 7  |
| F.   | Emergency Communications . . . . .          | 8  |
| G.   | Survivability . . . . .                     | 8  |
| IV.  | TRENDS AND FUTURE DEVELOPMENTS . . . . .    | 9  |
| A.   | Trends . . . . .                            | 9  |
| 1.   | Message Service . . . . .                   | 9  |
| 2.   | Datacommunications Service . . . . .        | 10 |
| 3.   | Secure Voice . . . . .                      | 10 |
| 4.   | Collection Systems . . . . .                | 10 |
| 5.   | Covert Communications . . . . .             | 11 |
| 6.   | Emergency Communications . . . . .          | 12 |
| 7.   | Survivability . . . . .                     | 12 |
| B.   | Assumptions . . . . .                       | 12 |
| C.   | Problem Statements . . . . .                | 14 |
| V.   | ALTERNATIVES . . . . .                      | 18 |
| A.   | Introduction . . . . .                      | 18 |
| B.   | Staff Network . . . . .                     | 18 |
| 1.   | Objectives . . . . .                        | 18 |
| 2.   | Budget Alternatives . . . . .               | 19 |
| C.   | Collection . . . . .                        | 20 |
| D.   | Covert Communications . . . . .             | 20 |
| 1.   | Objectives . . . . .                        | 20 |
| 2.   | Budget Alternatives . . . . .               | 21 |
| E.   | Survivability . . . . .                     | 22 |
|      | GLOSSARY . . . . .                          | 23 |

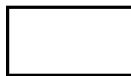
## ATTACHMENTS

(S) A9c2.1

5X1



25X1



COMMUNICATIONS

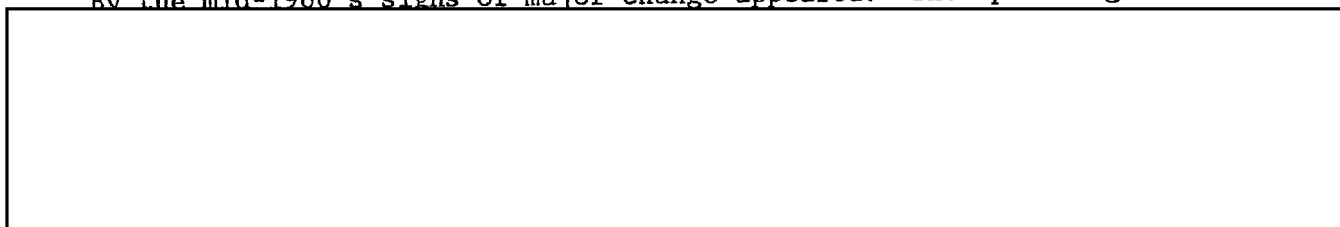
I. EXECUTIVE SUMMARY

~~Without major increases in resources in the early 1980's, communications support will deteriorate and seriously impede execution of the Agency's mission.~~

The Agency's current communications systems and equipments are largely products of the 1950's and 60's. These were years of rapid growth in Agency activities and budgets and, by today's standards, years of modest technological development. Information handling processes were manual and technical collection systems were in their infancy. (S) A9c2.1

By the mid-1960's signs of major change appeared. The operating

25X1



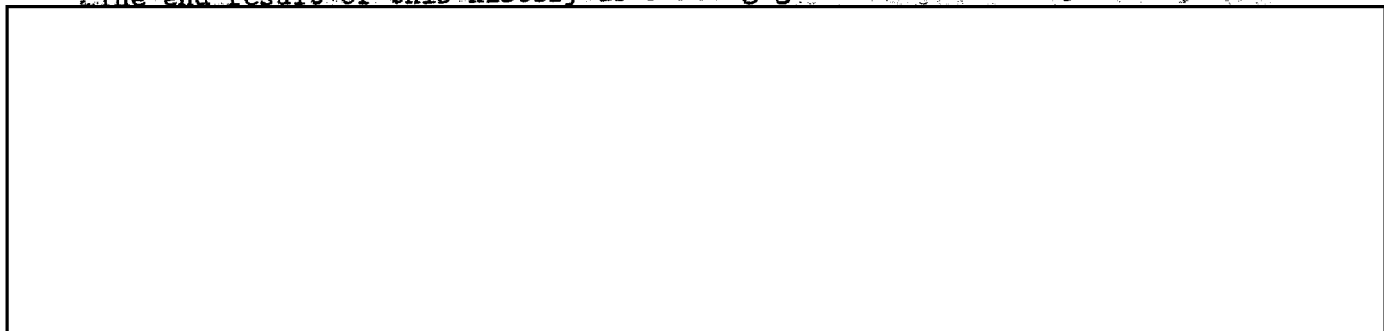
25X1



25X1

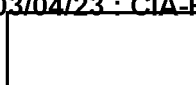
~~The end result of this history is a mortgage with a balloon payment due.~~

25X1



This paper assumes that the majority of user plans will become valid communications requirements within the decade. Within the set of solutions available, all require substantial increases in budgetary support. (U)

25X1



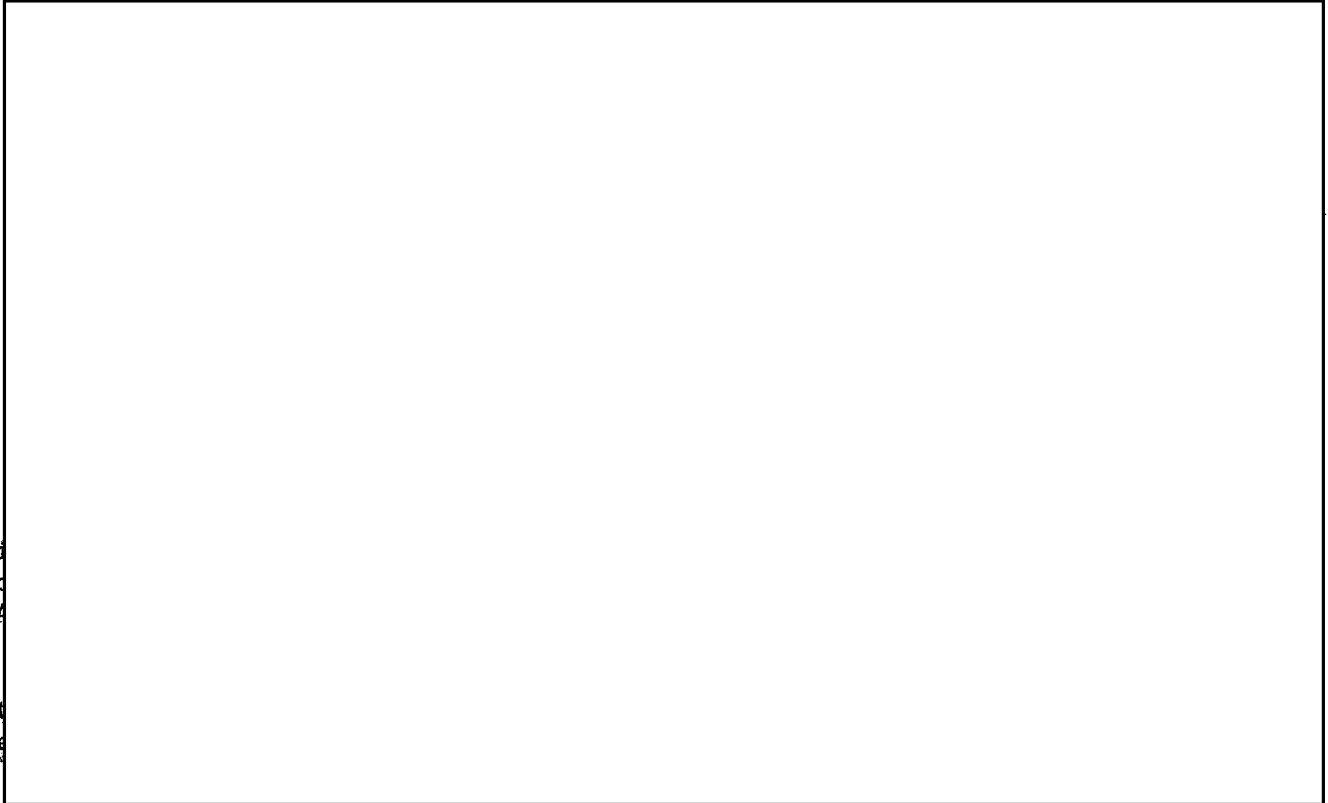
25X1



COMMUNICATIONS

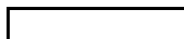
The analysis concludes that the strategic issue is: How much budgetary support and how soon? The final answer to that question will be the major determinant in defining the final solutions. (U)

The alternatives discussed are projections of levels of service achievable under conditions of (a) zero budgetary growth, (b) ten percent budgetary growth or (c) short term surge funding:



25X1

25X1



25X1

25X1

Approved For Release 2003/04/23 : CIA-RDP86B00269R001200150013-8

Next 22 Page(s) In Document Exempt

Approved For Release 2003/04/23 : CIA-RDP86B00269R001200150013-8

25X1

Attachment 1

Figure 1: Effect of inflation on total OC budget.

Figure 2: Effect of inflation and budget on equipment purchasing power.

Figure 3: Value and replacement of selected equipment.

Figure 4: Life cycle of selected OC equipment.

25X1

Approved For Release 2003/04/23 : CIA-RDP86B00269R001200150013-8

Next 6 Page(s) In Document Exempt

Approved For Release 2003/04/23 : CIA-RDP86B00269R001200150013-8